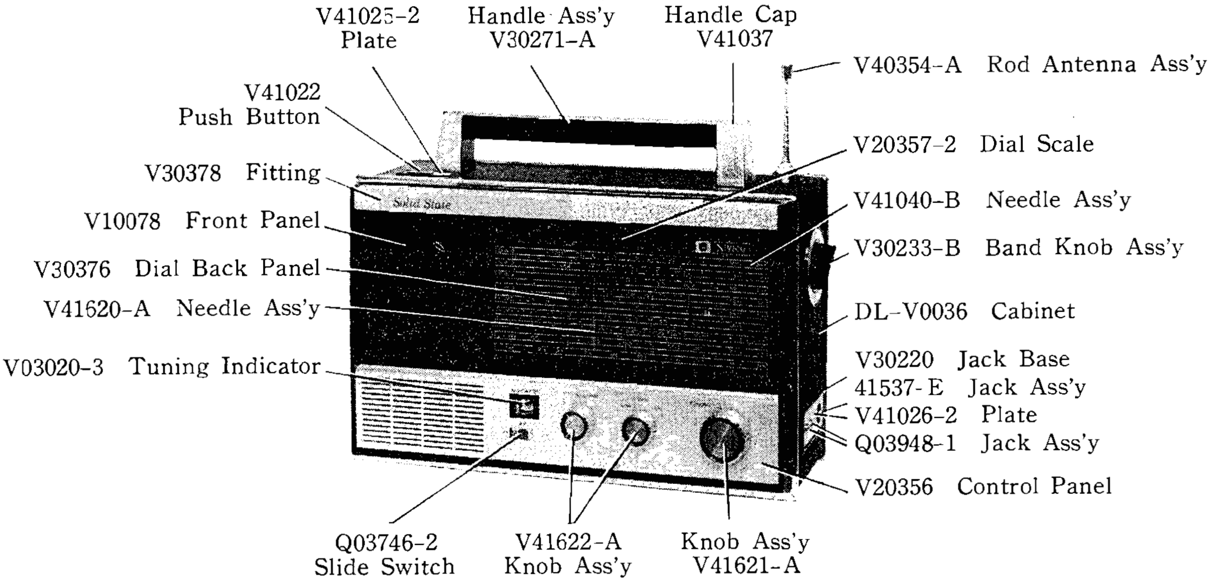
JVC -01774

No. 1153 B

NIVICO

SERVICE MANUAL


V41025-2
Plate
Handle Ass'y
V30271-A
Handle Cap
V41037
V40354-A Rod Antenna Ass'y
V41022
Push Button
V20357-2 Dial Scale
V30378 Fitting
V41040-B Needle Ass'y
V10078 Front Panel
V30233-B Band Knob Ass'y
V30376 Dial Back Panel
V41620-A Needle Ass'y
DL-V0036 Cabinet
V03020-3 Tuning Indicator
V30220 Jack Base
41537-E Jack Ass'y
V41026-2 Plate
Q03948-1 Jack Ass'y
V20356 Control Panel
Q03746-2
Slide Switch
V41622-A
Knob Ass'y
Knob Ass'y
V41621-A

MODEL 8500E

12-TRANSISTOR 9-BAND FM-AM RADIO

DIMENTIONS : H-9″, W-14⅛″, D-5¼″ WEIGHT : 10.5 lbs. (With Battery)

SPECIFICATIONS

Frequency Range:	FM 87～108MHz LW 150～400KHz AM 540～1600KHz SW1 2～4MHz SW2 4.7～10MHz SW3 11.6～12.1MHz (25m Spread Band) SW4 15.0～15.7MHz (19m Spread Band) SW5 17.4～18.2MHz (16m Spread Band) SW6 21.1～22.2MHz (13m Spread Band)
Intermediate Frequency:	FM 10.7MHz AM 455KHz
Transistor:	X1 2SC535 FM RF Amp. X2 2SC461 FM Convertor X3 2SC460 AM RF Amp. & FM DC Amp. for T. Indicator X4 2SC460 AM Oscillator X5 2SC460 AM Mixer X6 2SC460 FM IF Amp. X7 2SC460 FM & AM Amp. X8 2SC460 FM & AM Amp. X9 2SB75 AF Amp. X10 2SB75 Driver X11 2SB156A } Power Amp. X12 2SB156A } Power Amp.

Varistor:	Vr HV23 Voltage Comp.
Thermistor:	Th D-1E Automatic Temperature Control
Diode:	D1 1S85 AFC D2, 6, 7 SD46 AGC. Det. D4, 5 SD46 AM. FM AGC. D8 SD46 AM. Det. AGC. D9, 10 10D-1 Rectifier D11 SD46 FM Stabilization
Output Power:	1W Maximum
Speaker:	4″×6″ Oval Cone Speaker
Antenna:	Ferrite Core Antenna (LW, AM) Rod Antenna (FM, SW1～6)
Tone Control:	Volume Type
Check Light:	Push Type
External Jacks:	Tuner Output Jack External Antenna Jack Earphone Jack (2 pcs)
Power Source:	Battery (6 pcs. of JIS UM-1, Size ASA Designation "D" Cell or Equivalent) AC 110 or 220V, 50～60Hz

VICTOR COMPANY OF JAPAN, LTD.

1774

NOTICE

The main difference between model 8500 and 8500E is of AC input voltage.

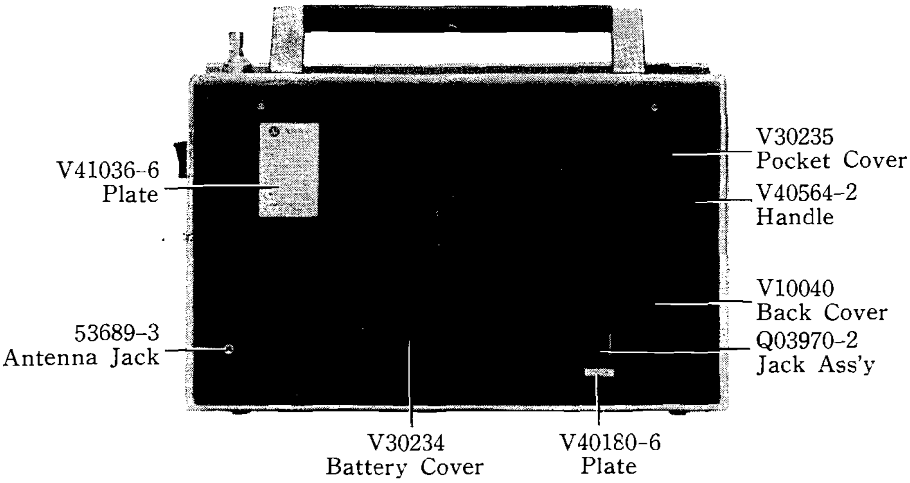

V41036-6
Plate
53689-3
Antenna Jack
V30235
Pocket Cover
V40564-2
Handle
V10040
Back Cover
Q03970-2
Jack Ass'y
V30234
Battery Cover
V40180-6
Plate

Fig. 1

TO REMOVE CHASSIS

1. Remove five screws on the Back Cover.
2. Open the Battery Cover pushing it downward and remove a screw on the battery case.
3. Remove eight screws on the bottom of the cabinet.
4. Remove three front knobs and side knob.
5. Remove two nuts "A" as indicated in Fig. 2.
6. Disconnect the white lead wire which is connected to the rod antenna.
7. Pull up the rod antenna,
8. Pull out the chassis from the right side.

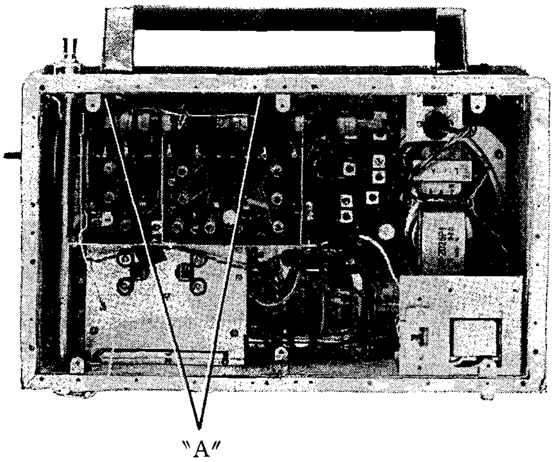


Fig. 2

TO FIT THE DIAL CORD

1. Tuning

   Cord Length : 0.7φ×1050m/m (Tetoron)

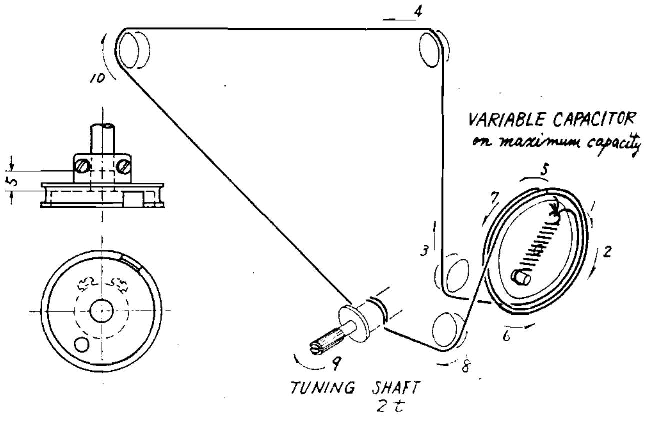

4
10
5
VARIABLE CAPACITOR
on maximum capacity
5
7
1
3
2
6
9
8
TUNING SHAFT
2t

Fig. 3

2. Band Switch

   Cord Length : 0.7φ×520m/m

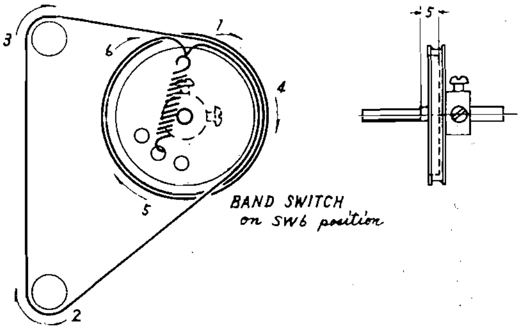

5
3
6
1
4
5
BAND SWITCH
on SW6 position
2

Fig. 4

ALIGNMENT

1. Set as follows before alignment

   Power Source : DC 9V
   Tone Control : Maximum
   AFC : "OFF" position

2. Alignment of Tuning Indicator

Step	Band	Position of the Indicator	Places to be aligned
1	A M	Max. to left	R203
1	F M	〃	R102

3. AM IF & RF Alignment

   Volume Control : Maximum
   Input Signal : Test Oscillator modulated to 400Hz, 30%

Step	Band	Input		Places to be aligned	Position of V. Cap
		Frequency	It is given to		
1	MW	455KHz	RF V. Cap (C203)	L5, 6, 7, 8, 9	Minimum Capacity
2		Repeat step 1			
3	L W	145KHz	Standard Loop Antenna	L209	Maximum Capacity
4		410KHz		C208	Minimum Capacity
5		Repeat step 3, 4			
6		150KHz	Standard Loop Antenna	L201	150KHz Signal
7		400KHz		C204	400KHz Signal
8		Repeat step 6, 7			

9	MW	525KHz	Standard Loop Antenna	L210	Maximum Capacity
10		1650KHz		C209	Minimum Capacity
11		Repeat step 9, 10			
12		620KHz	Standard Loop Antenna	L202, 217	620KHz Signal
13		1400KHz		C206, 216	1400KHz Signal
14		Repeat step 12, 13			
15	SW 1	2.0MHz	※	L211	Maximum Capacity
16		4.0MHz		C210	Minimum Capacity
17		Repeat step 15, 16			
18		2.0MHz	※	L203, 218	2.0MHz Signal
19		4.0MHz		C206, 217	4.0MHz Signal
20		Repeat step 18, 19			
21	SW 2	4.6MHz	※	L212	Maximum Capacity
22		10.5MHz		C211	Minimum Capacity
23		Repeat step 21, 22			
24		4.7MHz	※	L204, 219	4.7MHz Signal
25		10.0MHz		C207, 218	10.0MHz Signal
26		Repeat step 24, 25			
27	SW 3	11.5MHz	※	L213	Maximum Capacity
28		12.2MHz		C212	Minimum Capacity
29		Repeat step 27, 28			
30		11.8MHz	※	L205, 220	11.8MHz Signal
31	SW 4	14.9MHz	※	L214	Maximum Capacity
32		15.8MHz		C213	Minimum Capacity
33		Repeat step 31, 32			
34		15.3MHz	※	L209, 221	15.3MHz Signal
35	SW 5	17.3MHz	※	L215	Maximum Capacity
36		18.4MHz		C214	Minimum Capacity
37		Repeat step 35, 36			
38		17.8MHz	※	L207, 222	17.8MHz Signal
39	SW 6	21.0MHz	※	L216	Maximum Capacity
40		22.3MHz		C215	Minimum Capacity
41		Repeat step 39, 40			
42		21.6MHz	※	L208, 223	21.6MHz Signal

※ Through Dummy Antenna (Fig. 5), connect to the white lead wire which is connected to rod antenna.

Note : For each band of SW3, 4, 5, 6 the local oscillation frequency must be aligned lower than signal frepuency by 455KHz, and when alignment of SW1,2,3,4,5,6, the rod antenna must be disconnected.

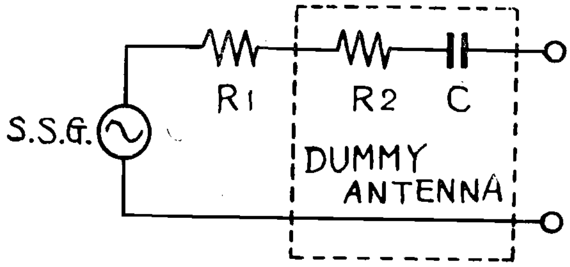


Fig. 5

4. FM IF Alignment

Volume Control : Minimum

1) Connect the out clip of T. V. sweep generator's IF/RF OUTPUT lead to the local oscillator terminal of V. Cap. and also the other clip to the earth.

2) Connect the scope terminal of T. V. sweep generator to H. input of oscilloscope, and also the ground terminal to earth of the H. Input.

3) IF Alignment
   (a) Give the output from emitter side of X8 to V. Input of oscilloscope.
   (b) Give the unmodulated 10.7MHz marker of S. S. G. to the set.
   (c) Align L105, 106, 1, 2 so that the maximum sensitivity and symmetrical wave mode will be obtained, setting the 10. 7MHz marker on the peak.

4) Discriminator Alignment
   (a) Give the output from detector transformer to V. INPUT of oscilloscope.
   (b) Give the 10. 7MHz marker of 50~60 db output modulated to 30~60% by AM from S.S.G. to set.
   (c) Align L4 so that the sign wave appearing on the flyback line of "S" curve will disappear.
   (d) Align L3 so that the response of the "S" curve will become maximum and symmetry.

5) Repeat that step 3), 4), and make sure that IF peak and center point of the "S" curve will exactly coincide with 10.7MHz marker.

5. FM RF Alignment

Volume Control : Maximum
Input Signal : Use 75Ω terminal of S. S. G.
400Hz modulation, 22. 5KHz deviation.

Step	Input		Places to be aligned	Position of V. Cap.
	Frequency	It is given to		
1	86. 5MHz	※	L103	Maximum Capacity
2	109MHz		C103	Minimum Capacity
3	Repeat step 1, 2			
4	90MHz	※	L101, 102	90MHz Signal
5	106MHz		C104, 105	106MHz Signal
6	Repeat step 4, 5			

※ White lead wire which is connected to rod antenna.

CONNECTION OF ROTARY SWITCH

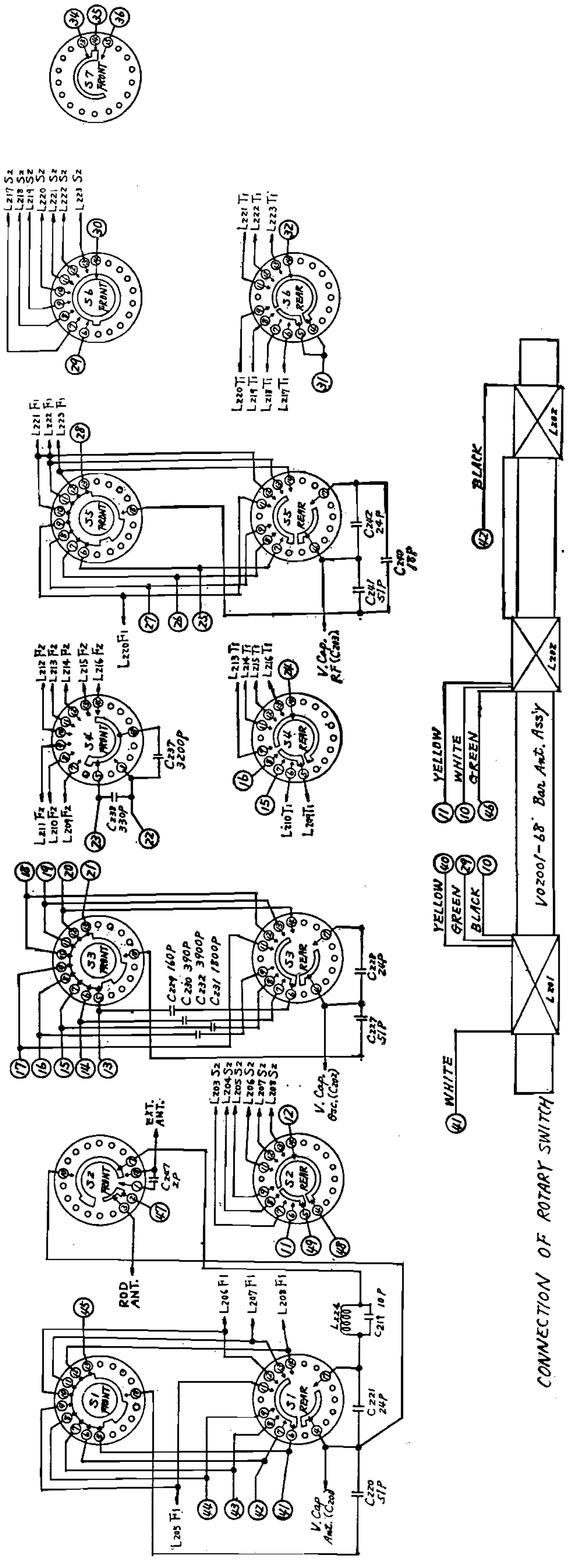
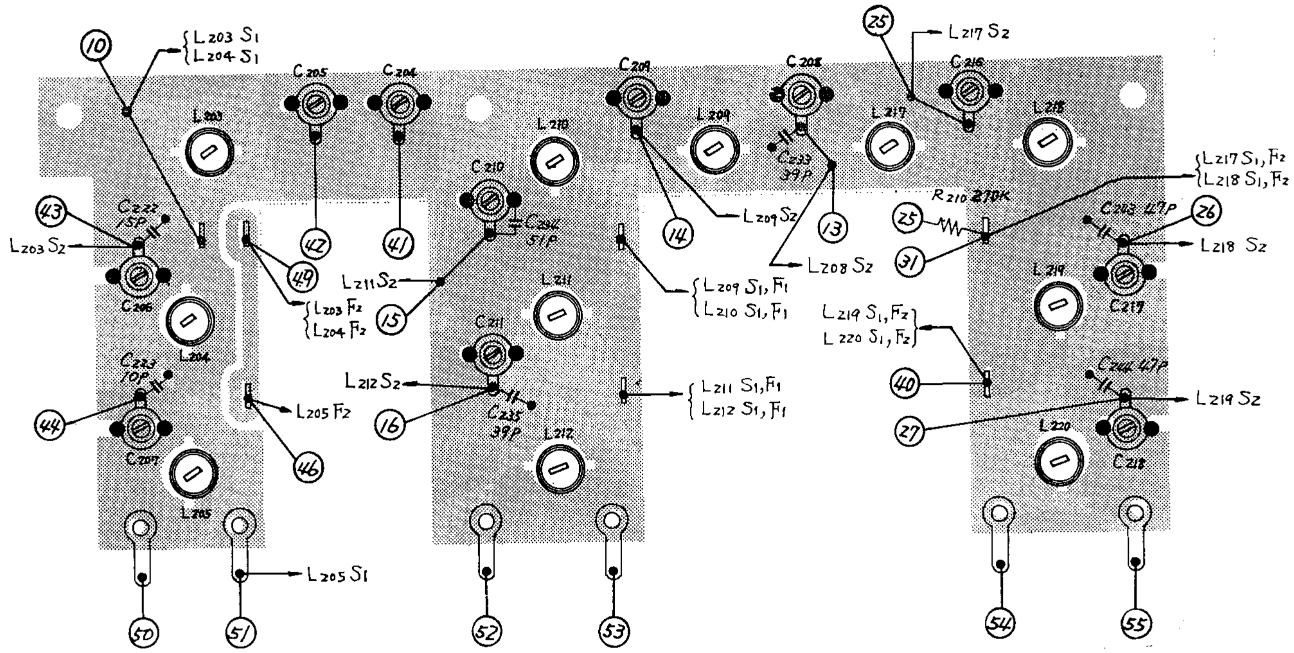

S7 FRONT
34
35
36
L217 S2
L218 S2
L219 S2
L220 S2
L221 S2
L222 S2
L223 S2
30
29
S6 FRONT
L221 T1
L222 T1
L223 T1
32
S6 REAR
L220 T1
L219 T1
L218 T1
L217 T1
31
L221 F1
L222 F1
L223 F1
28
S5 FRONT
S5 REAR
C242 24P
C240 18P
C241 51P
V. Cap. R.F (C202)
L220 F1
27
26
25
L212 F2
L213 F2
L214 F2
L215 F2
L216 F2
S4 FRONT
C237 3200P
C238 330P
23
22
L211 F2
L210 F2
L209 F2
L213 T1
L214 T1
L215 T1
L216 T1
24
S4 REAR
16
15
L210 T1
L209 T1
18
19
20
21
S3 FRONT
C229 160P
C230 390P
C232 3900P
C231 1800P
S3 REAR
C228 24P
C227 51P
17
16
15
14
13
L203 S2
L204 S2
L205 S2
L206 S2
L207 S2
L208 S2
V. Cap. Osc. (C203)
12
S2 REAR
11
49
48
S2 FRONT
EXT. ANT.
C247 2P
47
ROD ANT.
S1 FRONT
45
L206 F1
L207 F1
L208 F1
L224
C211 10P
S1 REAR
C221 24P
C220 51P
L205 F1
44
43
42
41
V. Cap Ant. (C201)
BLACK
42
L202
YELLOW
WHITE
GREEN
11
10
46
YELLOW 40
GREEN 39
BLACK 10
V02001-68' Bar Ant. Ass'y
L202
L201
WHITE
41
CONNECTION OF ROTARY SWITCH

Fig. 6

PARTS ARRANGEMENT

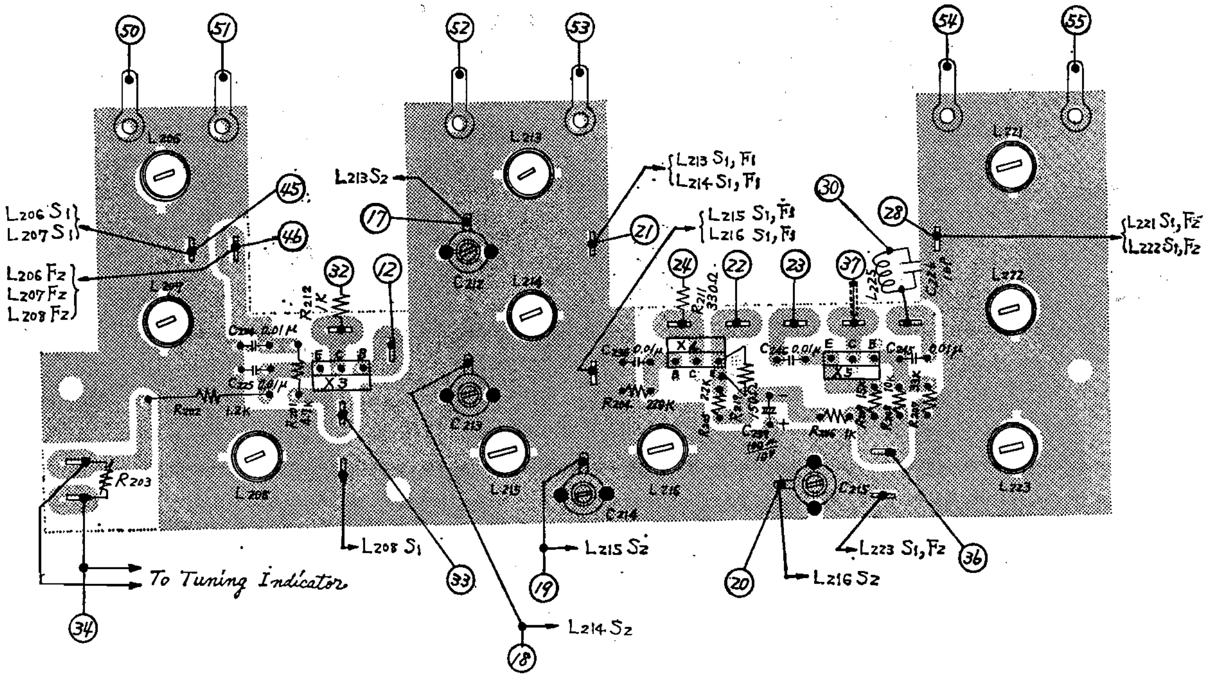
AM. RF Circuit Board "H"



(10)
L203 S1
L204 S1
C205
C204
C209
C208
(25)
L217 S2
C216
L203
L210
L209
L217
L218
C210
C234 51P
C233 39P
L217 S1, F2
L218 S1, F2
R210 270K
(25)
C243 47P
(26)
(43)
C222 15P
L203 S2
(42)
(41)
(14)
L209 S2
(13)
L208 S2
(31)
L218 S2
(49)
L211 S2
(15)
L203 F2
L204 F2
L209 S1, F1
L210 S1, F1
L219 S1, F2
L220 S1, F2
C206
L204
L211
L219
C217
C211
C223 10P
L212 S2
(40)
C244 47P
L205 F2
(16)
L211 S1, F1
L212 S1, F1
(27)
L219 S2
(44)
C235 39P
C207
L212
L220
C218
(46)
L205
L205 S1
(50)
(51)
(52)
(53)
(54)
(55)

Fig. 7

AM. RF Circuit Board "V"



(50)
(51)
(52)
(53)
(54)
(55)
L206
L213
L221
L213 S2
L213 S1, F1
L214 S1, F1
(45)
(30)
(28)
L206 S1
L207 S1
(46)
(17)
(21)
L215 S1, F1
L216 S1, F1
L221 S1, F2
L222 S1, F2
L206 F2
L207 F2
L208 F2
(32)
(12)
R212 1K
C212
L207
L214
(24)
R211 330Ω
(22)
(23)
(37)
L225
C224
L222
C216 0.01μ
C236 0.01μ
X4
C246 0.01μ
C245 0.01μ
E C B
X3
X5
B C E
C225 0.01μ
R204 220K
R205 22K
R210 150Ω
R208 15K
R209 10K
R207 33K
R202 1.2K
47K
C239 100μ 10V
R206 1K
C213
R203
L208
L215
L216
C214
C215
L223
L208 S1
L215 S2
L223 S1, F2
(36)
To Tuning Indicator
(33)
(19)
(20)
L216 S2
L214 S2
(34)
(18)

Fig. 8 (A)

Coil Construction

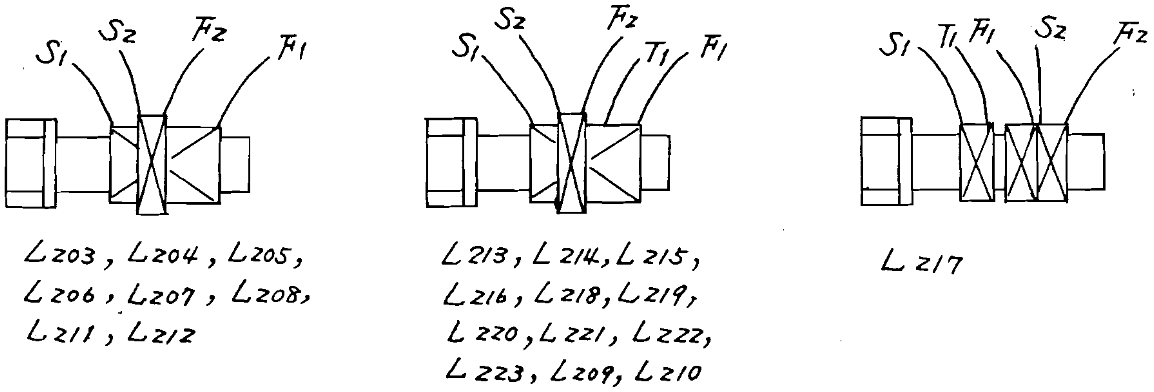

S1
S2
F2
F1
L203, L204, L205,
L206, L207, L208,
L211, L212
S2
F2
S1
T1
F1
L213, L214, L215,
L216, L218, L219,
L220, L221, L222,
L223, L209, L210
S1
T1
F1
S2
F2
L217

Fig. 8 (B)

TERMINAL VOLTAGE

AM. RF Circuit Board

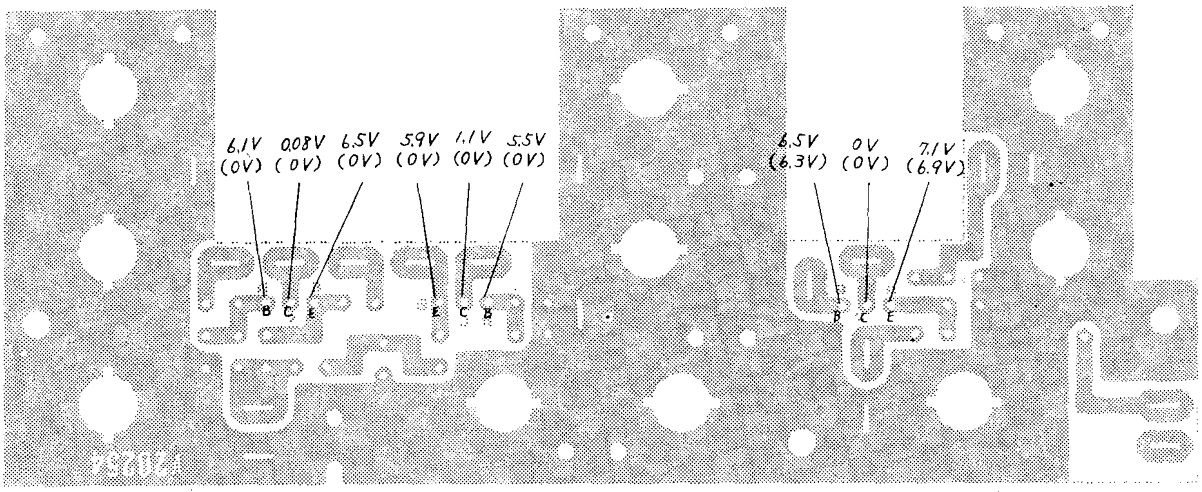
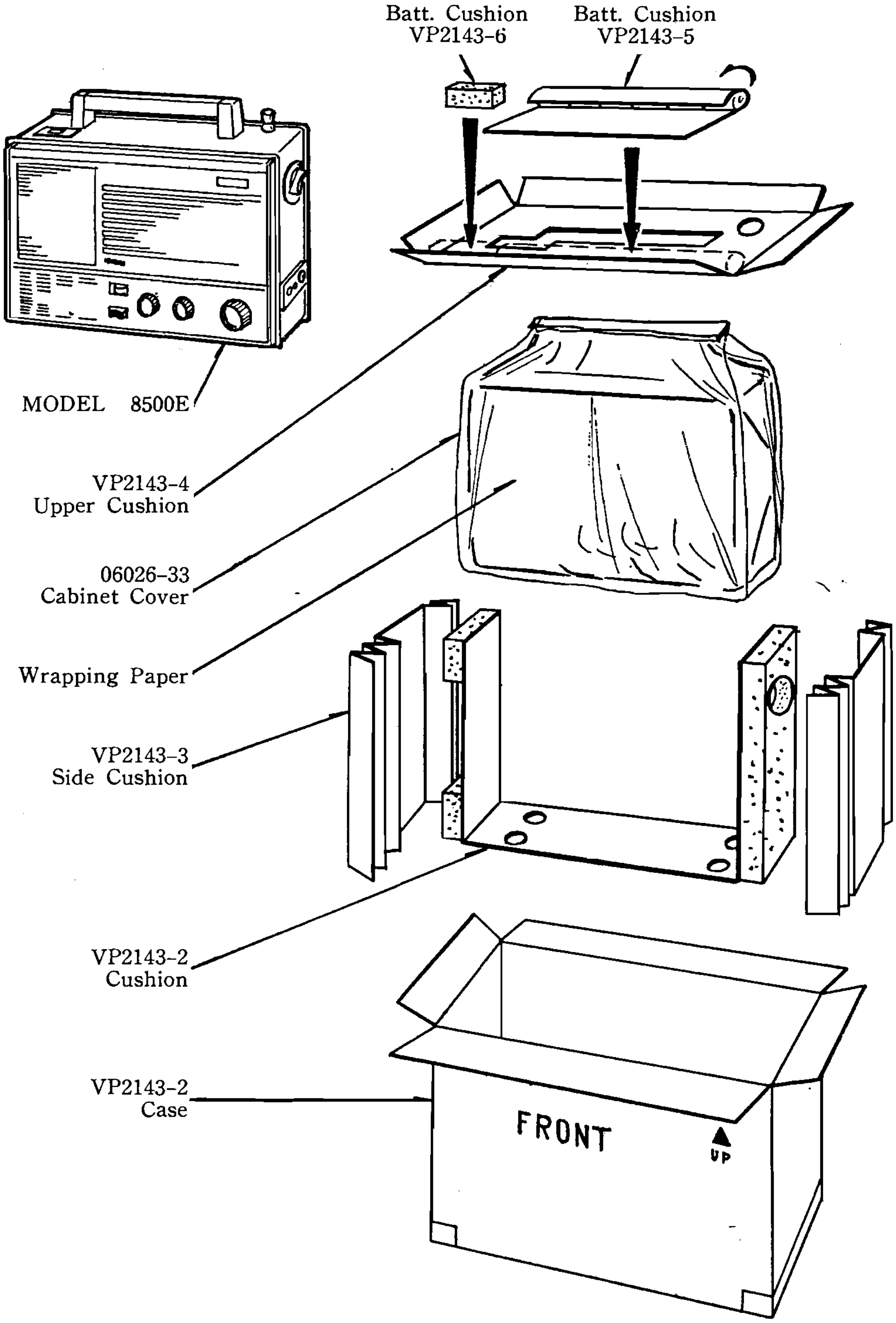

6.1V
(0V)
0.08V
(0V)
6.5V
(0V)
5.9V
(0V)
1.1V
(0V)
5.5V
(0V)
B
C
E
E
C
B
6.5V
(6.3V)
0V
(0V)
7.1V
(6.9V)
B
C
E

Fig. 9

PACKING ILLUSTRATION


Batt. Cushion
VP2143-6
Batt. Cushion
VP2143-5
MODEL 8500E
VP2143-4
Upper Cushion
06026-33
Cabinet Cover
Wrapping Paper
VP2143-3
Side Cushion
VP2143-2
Cushion
VP2143-2
Case
FRONT
UP

ANNEX :

1. Instruction Book
2. Catalog
3. Warranty Card

Fig. 21

PARTS ARRANGEMENT

FM. RF Circuit Board

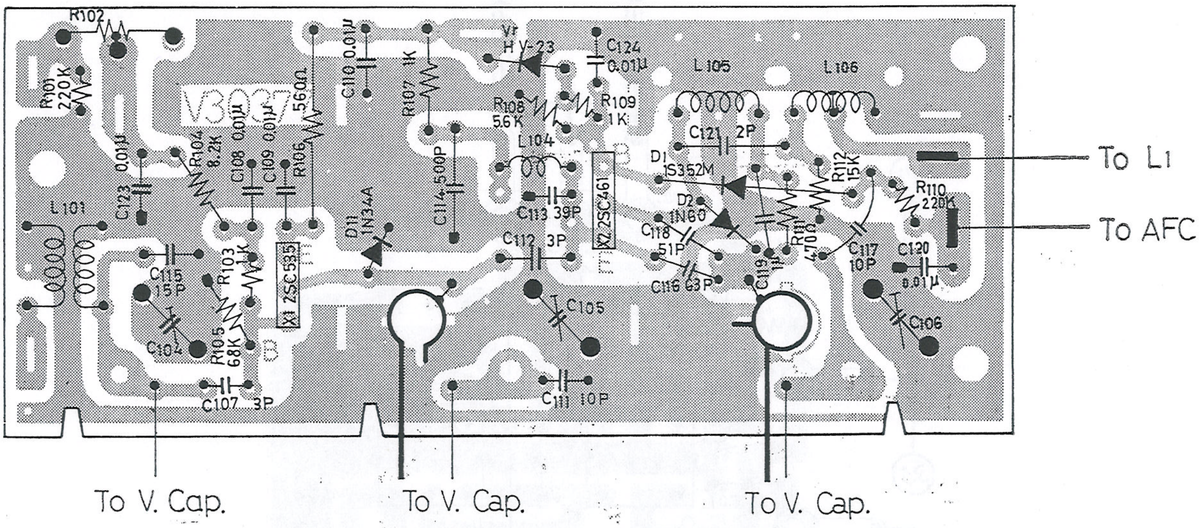

R102
R101 220K
V30377
0.01µ
C123
R104 8.2K
C108 0.01µ
C109 0.01µ
R106 560Ω
C110 0.01µ
R107 1K
Vr HV-23
C124 0.01µ
R108 5.6K
R109 1K
L104
C114 500P
C113 39P
X2 2SC461
L105
L106
C121 2P
D1 1S352M
D2 1N60
R112 15K
R110 220K
To L1
To AFC
L101
C115 15P
R103 1K
X1 2SC535
D11 1N34A
C112 3P
C118 51P
R111 470Ω
C119 1P
C117 10P
C120 0.01µ
C116 68P
C104
R105 6.8K
C105
C106
B
E
C107 3P
C111 10P
To V. Cap.
To V. Cap.
To V. Cap.

Fig. 10

TERMINAL VOLTAGE

FM. RF Circuit Board

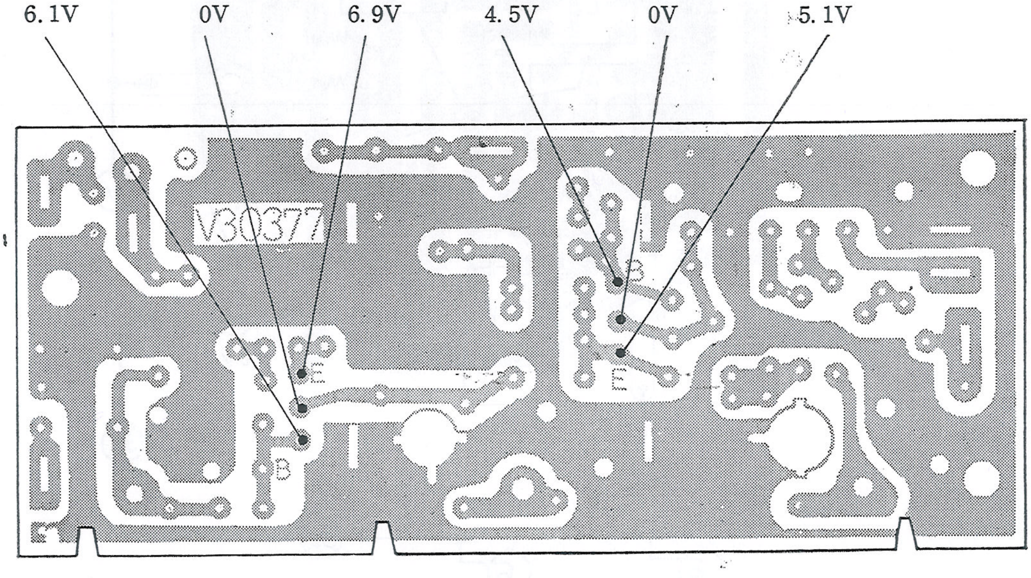

6.1V
0V
6.9V
4.5V
0V
5.1V
V30377
E
B
B
E

Fig. 11

PARTS ARRANGEMENT

IF Circuit Board

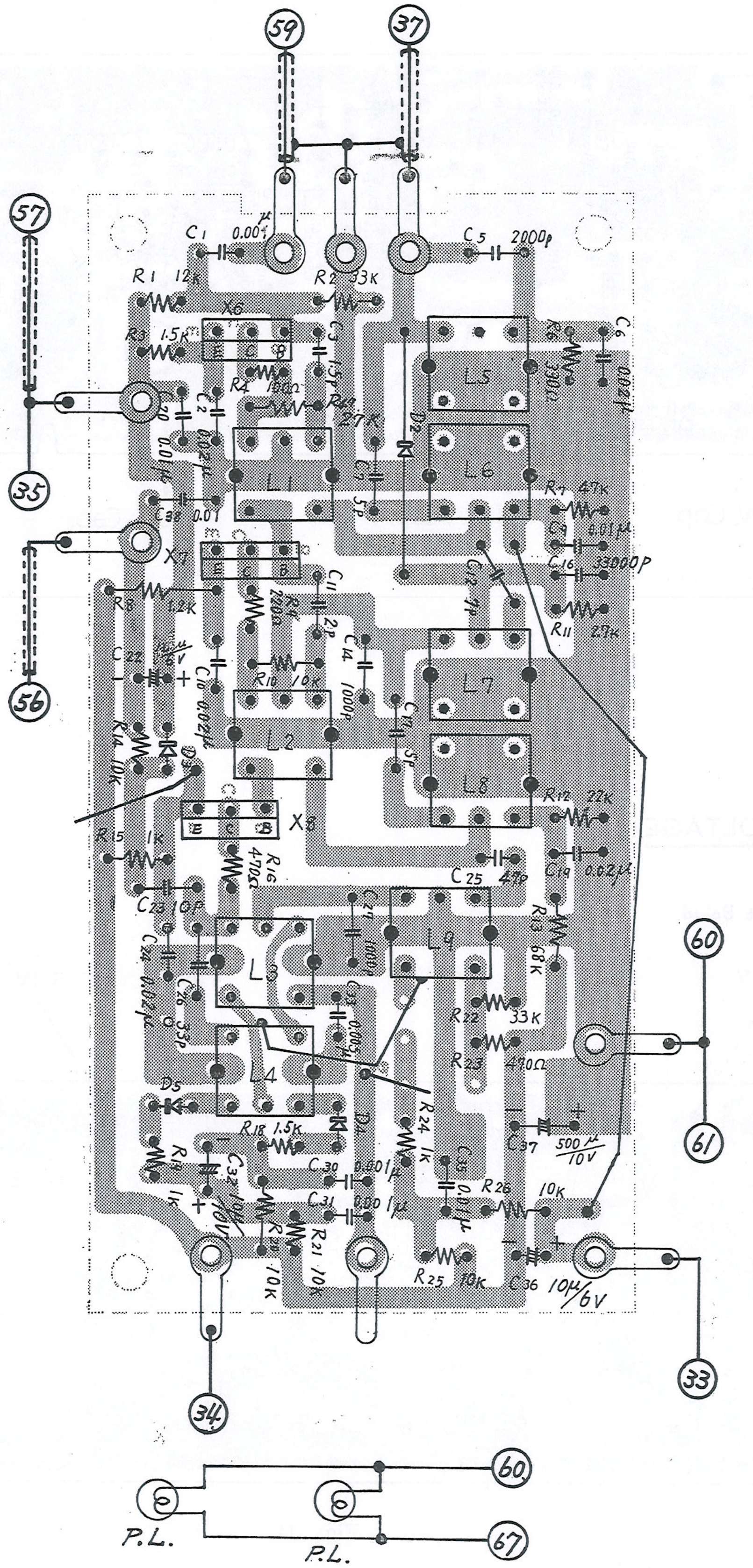

59
37
57
35
56
60
61
33
34
C1 0.001μ
C5 2000p
R1 12K
R2 33K
R3 1.5K
X6
E C B
C3 1.5P
C6 0.02μ
R6 330Ω
L5
R4 100Ω
R27 27K
C20 0.01μ
C2 0.02μ
D2
L1
L6
C7 5P
C38 0.01
R7 47K
C9 0.01μ
C16 33000P
X7
E C B
C12 1P
R8 1.2K
R9 220Ω
C11 2P
R11 2.7K
C22 10μ/6V
C10 0.02μ
R10 10K
C14 1000P
L7
L2
C13 5P
L8
R14 10K
D3
X8
E C B
R12 27K
R15 1K
R16 470Ω
C25 47P
C19 0.02μ
C23 10P
C27 0.001
L9
R13 68K
C24 0.02μ
C26 33P
L3
C29 0.005μ
R22 33K
R23 470Ω
L4
D5
D4
R24 1K
C37 500μ/10V
R18 1.5K
R19 1K
C32 10μ/10V
C30 0.001μ
C31 0.001μ
C35 0.01μ
R26 10K
R20 10K
R21 10K
R25 10K
C36 10μ/6V
60
67
P.L.
P.L.

Fig. 12

TERMINAL VOLTAGE

IF Circuit Board

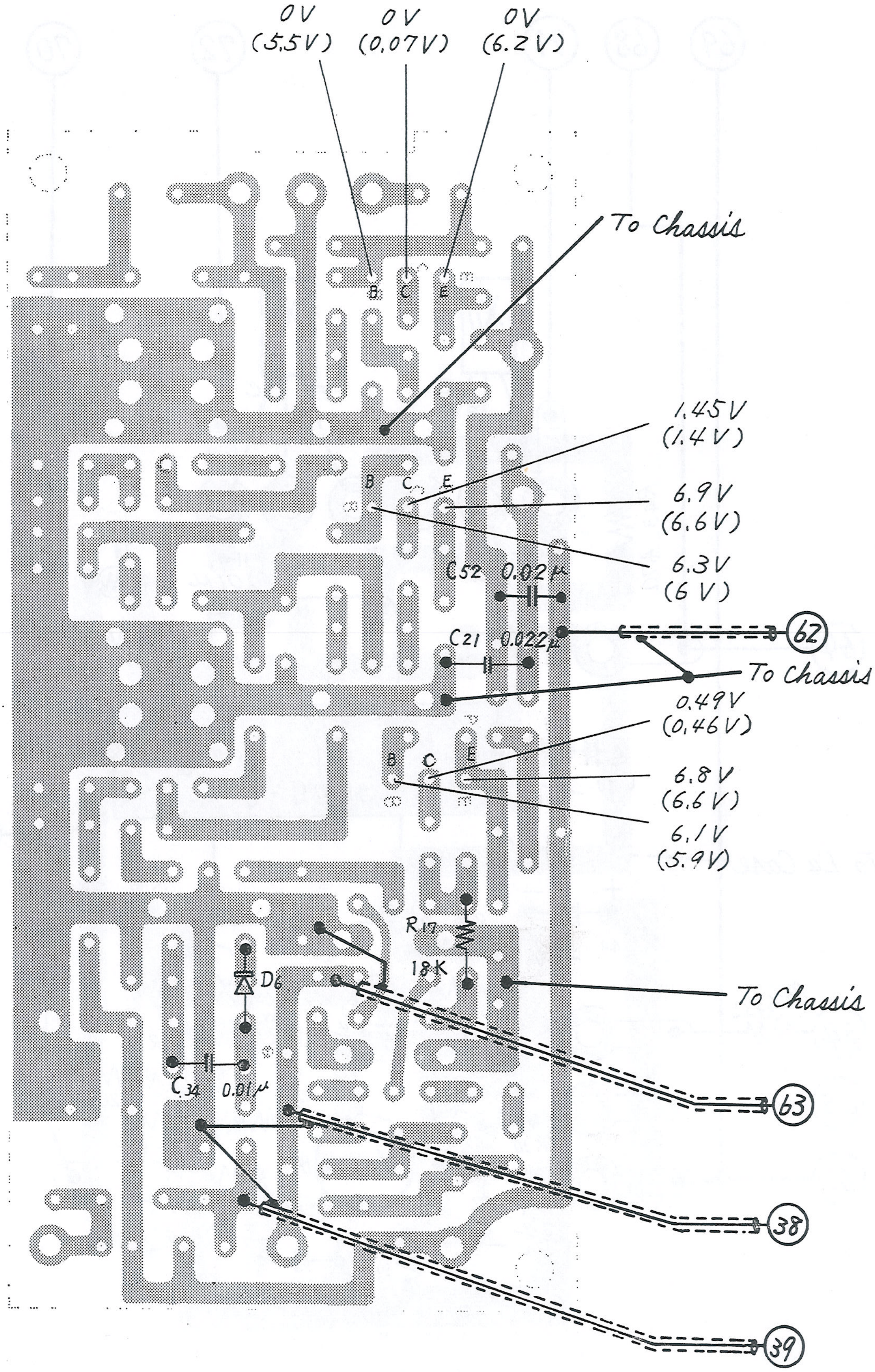

0V
(5.5V)
0V
(0.07V)
0V
(6.2V)
B
C
E
To Chassis
1.45V
(1.4V)
B
C
E
6.9V
(6.6V)
6.3V
(6V)
C52 0.02μ
62
C21 0.022μ
To Chassis
0.49V
(0.46V)
B
C
E
6.8V
(6.6V)
6.1V
(5.9V)
R17
18K
D6
To Chassis
C34 0.01μ
63
38
39

Fig. 13

PARTS ARRANGEMENT

AF Circuit Board

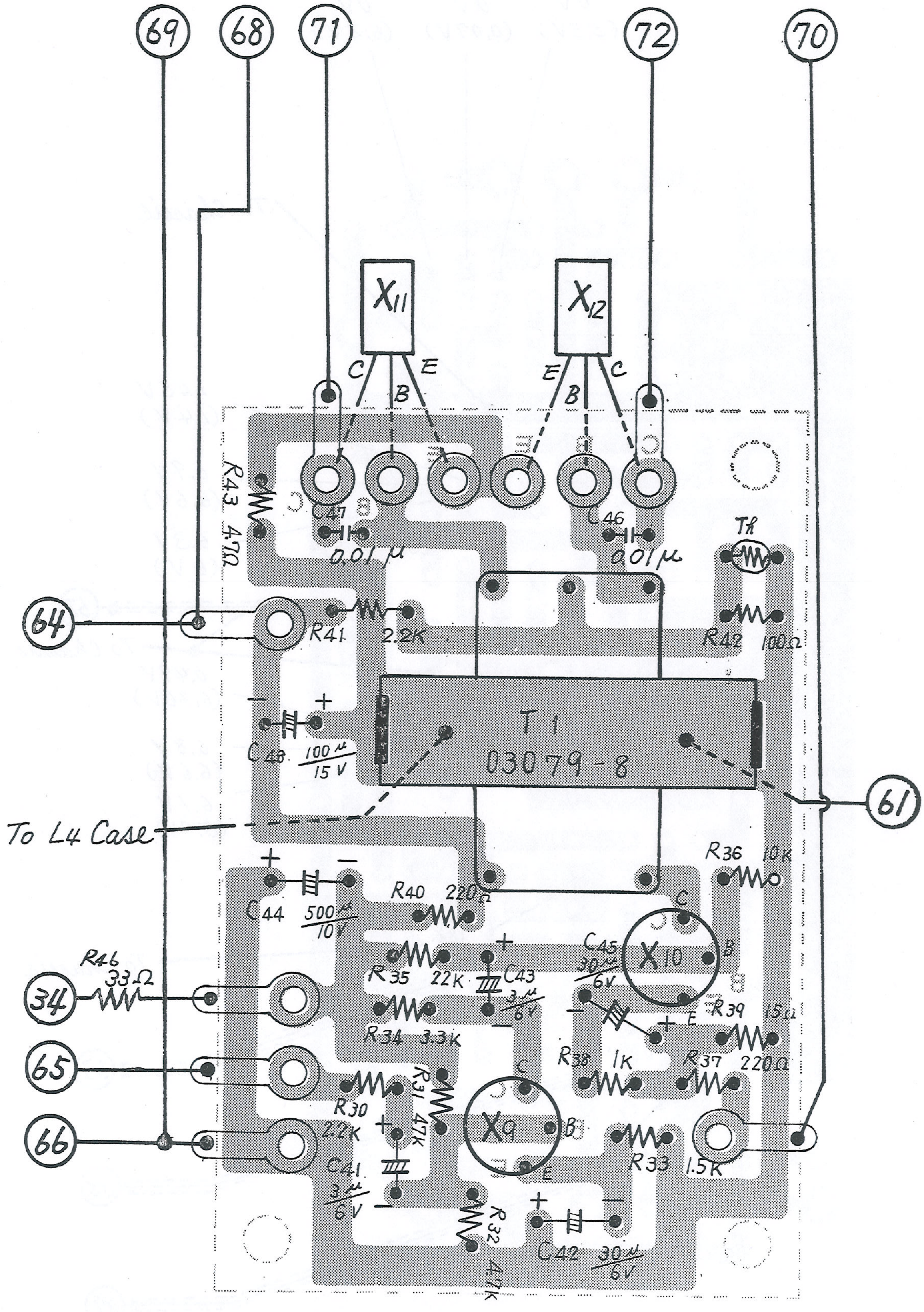

69
68
71
72
70
X11
X12
C
B
E
E
B
C
R43 4.7Ω
C47
0.01μ
C46
0.01μ
Th
64
R41
2.2K
R42
100Ω
T1
03079-8
−
+
C48
100μ/15V
To L4 Case
61
+
−
C44
500μ/10V
R40
220Ω
R36
10K
C
R46
33Ω
34
R35
22K
+
C43
3μ/6V
−
C45
30μ/6V
X10
B
−
+
E
R39
15Ω
65
R34
3.3K
R38
1K
R37
220Ω
R30
2.2K
R31
4.7K
C
X9
B
E
66
R33
1.5K
+
C41
3μ/6V
−
R32
4.7K
+
−
C42
30μ/6V

Fig. 14

TERMINAL VOLTAGE

AF Circuit Board

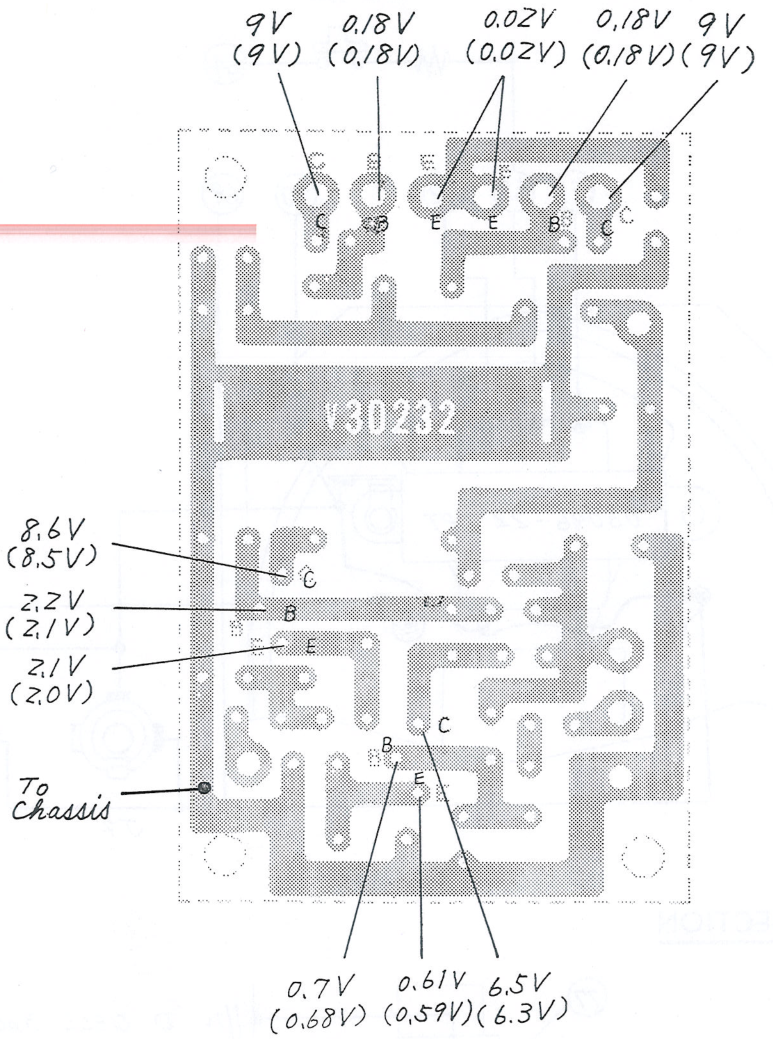

9V (9V)
0.18V (0.18V)
0.02V (0.02V)
0.18V (0.18V)
9V (9V)
C
B
E
E
B
C
V30232
8.6V (8.5V)
2.2V (2.1V)
2.1V (2.0V)
To Chassis
C
B
E
C
B
E
0.7V (0.68V)
0.61V (0.59V)
6.5V (6.3V)

Fig. 15

VARIABLE RESISTOR & AFC SWITCH

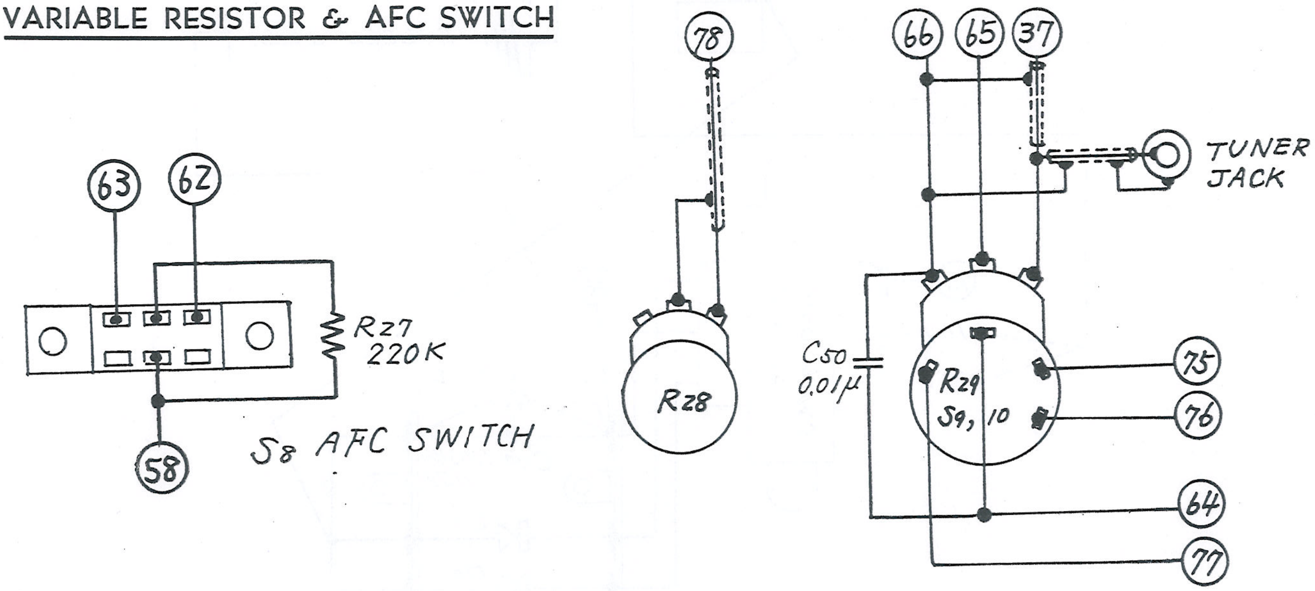

63
62
58
Rz7 220K
S8 AFC SWITCH
78
Rz8
66
65
37
TUNER JACK
C50 0.01μ
Rz9 S9, 10
75
76
64
77

Fig. 16

SPEAKER & OTHERS

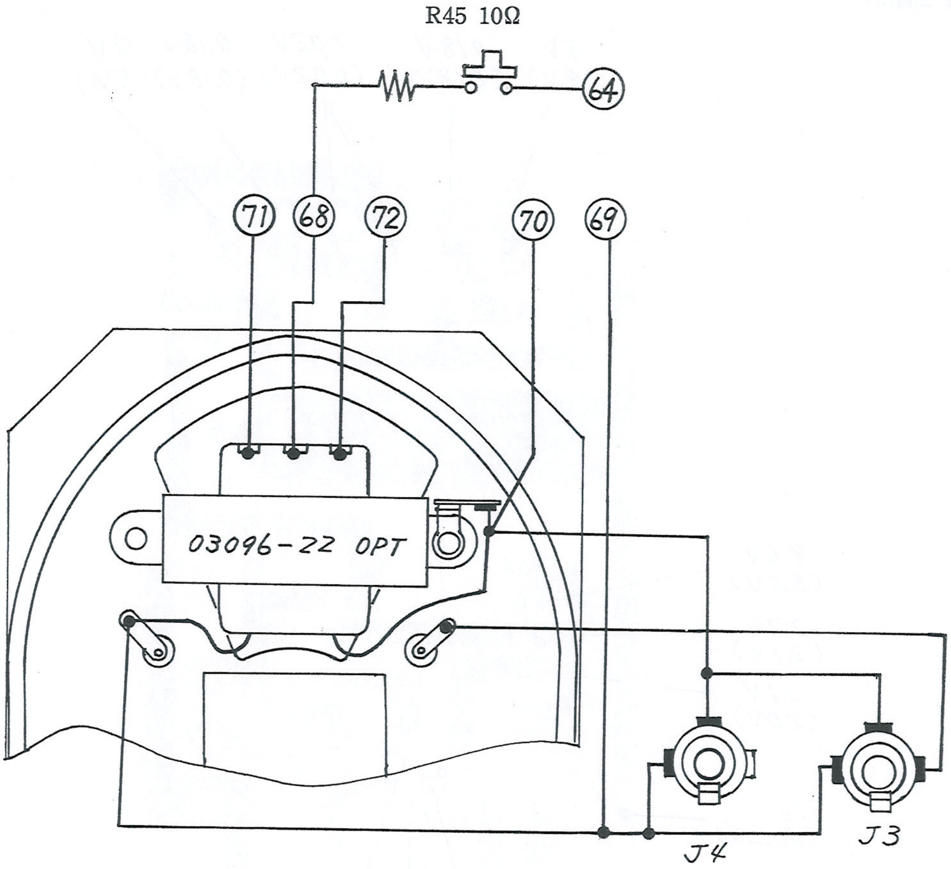

R45 10Ω
64
71
68
72
70
69
03096-22 OPT
J4
J3

Fig. 17

AC ADAPTOR SECTION

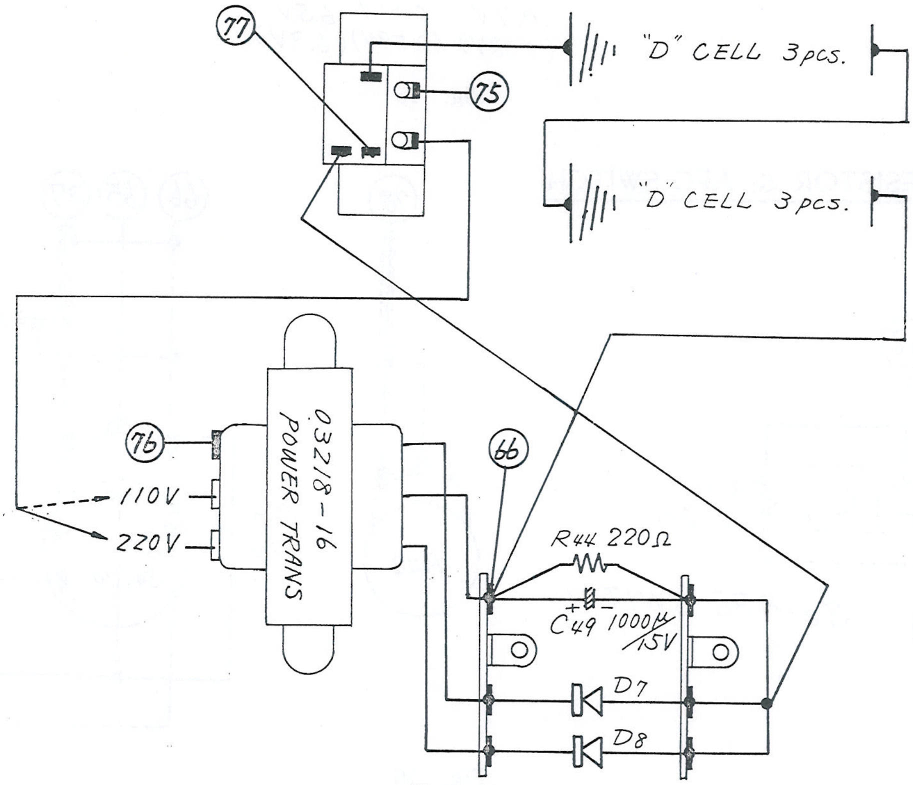
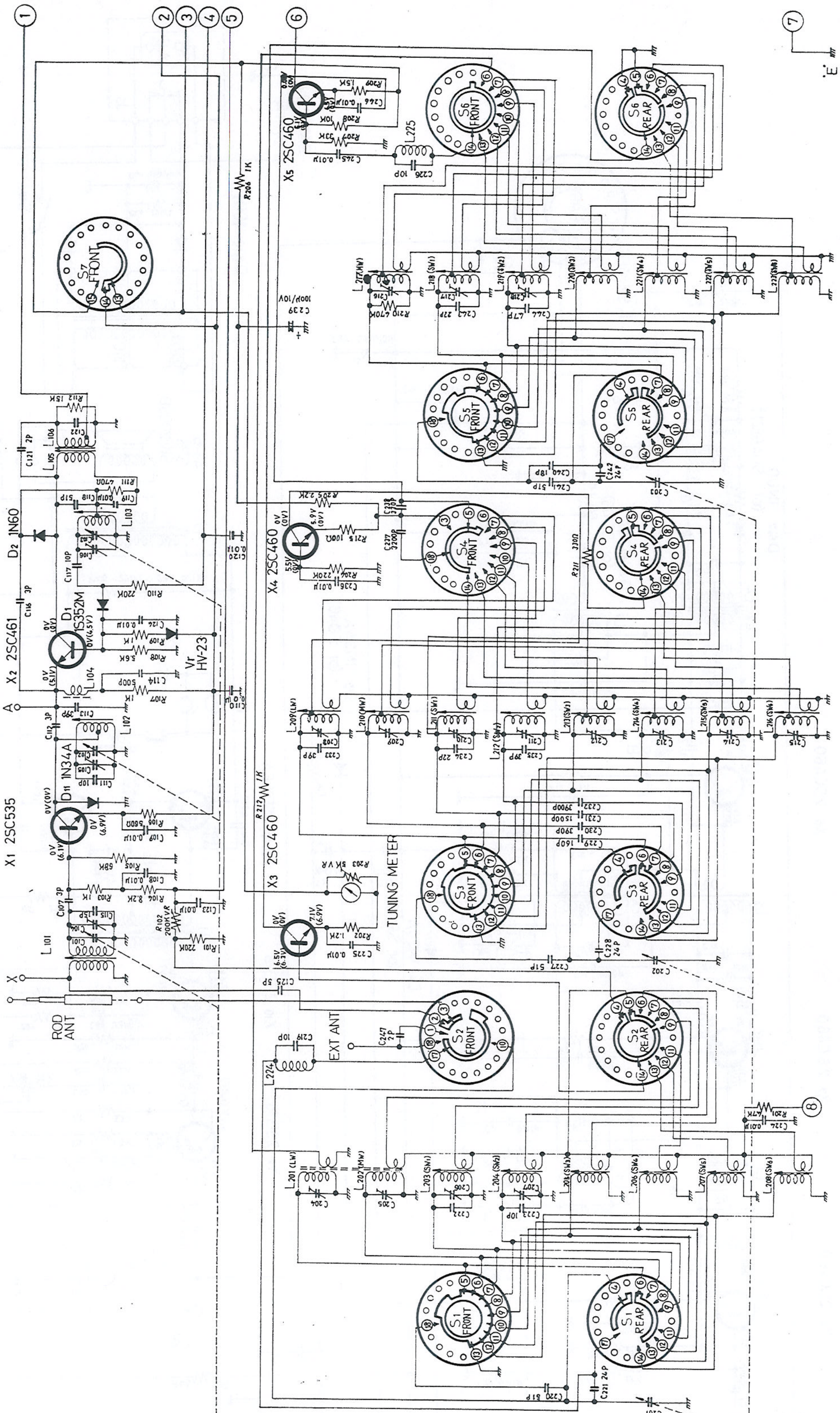

77
75
"D" CELL 3pcs.
"D" CELL 3pcs.
76
110V
220V
03218-16 POWER TRANS
66
R44 220Ω
C49 1000μ/15V
D7
D8

Fig. 18

SCHEMATIC DIAGRAM (Tuner)



X1 2SC535
X2 2SC461
D2 1N60
D1 IS352M
Vr HV-23
D11 1N34A
X3 2SC460
X4 2SC460
X5 2SC460
TUNING METER
ROD ANT
EXT ANT
S1 FRONT
S1 REAR
S2 FRONT
S2 REAR
S3 FRONT
S3 REAR
S4 FRONT
S4 REAR
S5 FRONT
S5 REAR
S6 FRONT
S6 REAR
S7 FRONT
E

Fig. 19

SCHEMATIC DIAGRAM (IF & AF)

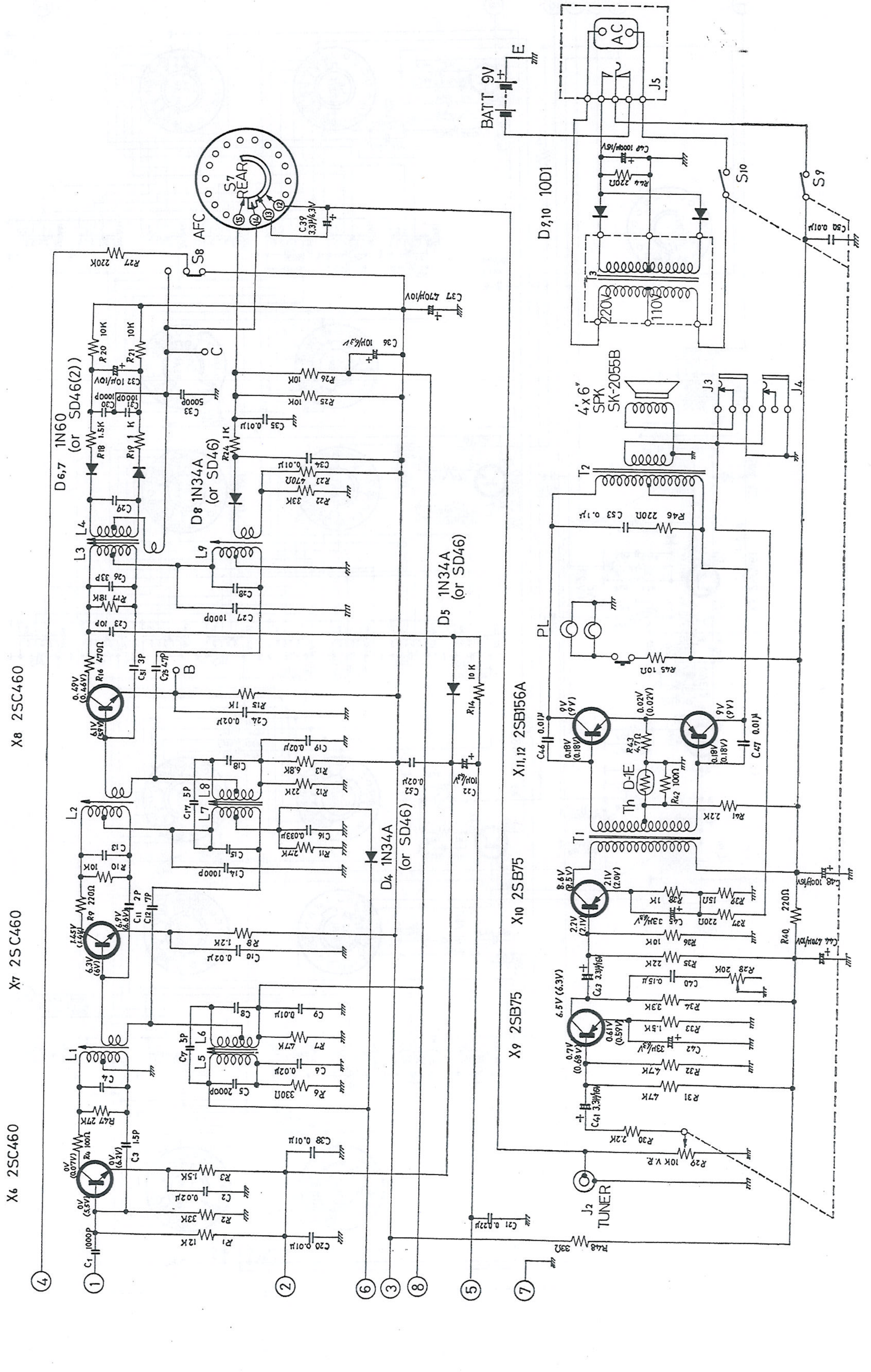

X6 2SC460
X7 2SC460
X8 2SC460
L1
L2
L3
L4
L5
L6
L7
L8
L9
D6,7 1N60 (or SD46(2))
D8 1N34A (or SD46)
D5 1N34A (or SD46)
D4 1N34A (or SD46)
S7 REAR
S8 AFC
C39 3.3μ/6.3V
B
C
BATT 9V
E
AC
J5
D9,10 10D1
220V
110V
T3
4"x6" SPK SK-2055B
J3
J4
T2
PL
X11,12 2SB156A
Th D-1E
T1
X10 2SB75
X9 2SB75
J2 TUNER
R29 10K V.R.
S9
S10
R27 220K
R48 33Ω
④
①
②
⑥
③
⑧
⑤
⑦

Fig. 20

The List of Main Parts for Replacement

Parts No.	Parts Name	Symbol	Description
Capacitors			
Q03438-1	Variable Capacitor	C101~103, 201~203	
Q03667-5	Adjustable Capacitor	C104, 105, 106	
Q03667-6	〃 〃	C204~218	
※Q03103-	Electrolytic Capacitor	C41~43, 45, 39	$^{+150}_{-10}\%$ 6V
※Q03104	〃 〃	C22, 36	$^{+150}_{-10}\%$ 6V
※Q03105	〃 〃	C32	$^{+150}_{-10}\%$ 10V
※Q03106-	〃 〃	C37, 44, 239	$^{+150}_{-10}\%$ 10V
※Q03107-	〃 〃	C49	$^{+150}_{-10}\%$ 15V
※Q03108-	〃 〃	C48	$^{+150}_{-10}\%$ 15V
Q03246-103	Mylar Capacitor	C224, 225, 236, 245, 246, 46, 74	± 20%
Q03246-223	〃 〃	C21	± 20%
Q03246-333	〃 〃	C16	± 20%
Q03246-104	〃 〃	C40	± 20%
Q03263-331	Polystyrol Capacitor	C238	± 5%
Q03263-102	〃 〃	C14, 27	± 5%
Q03263-152	〃 〃	C231	± 5%
Q03263-202	〃 〃	C5	± 5%
Q03263-322	〃 〃	C237	± 5%
Q03263-392	〃 〃	C232	± 5%
Q04062-1000	Ceramic Capacitor	C1, 30, 31	$^{+80}_{-20}\%$
Q04062-5000	〃 〃	C33	$^{+80}_{-20}\%$
Q04062-01	〃 〃	C9, 20, 34, 35, 38, 108, 109, 110, 119, 120, 123, 124	$^{+80}_{-20}\%$
Q04062-02	〃 〃	C2, 6, 10, 19, 24, 52	$^{+80}_{-20}\%$
※46961-	〃 〃	C112, 229, 230	± 3%
※Q04305-	〃 〃	C3, 11, 23, 25. 26, 51, 111, 112, 113, 115, 116, 125, 223, 233, 234, 235, 243, 244, 247 219, 226	± 10%
※Q04335-	〃 〃	C7, 12, 17, 114, 118, 121	± 5%
Q00402-10CH	〃 〃	C117	± 5%
Q00402-150CH	〃 〃	C229	± 5%
Q04423-18PH	〃 〃	C240	± 5%
Q04223-24PH	〃 〃	C221, 228, 242	± 5%
Q04423-51PH	〃 〃	C220, 227, 241	± 5%

Note : When you request the capacitors marked with ※, inscribe capacitance value (of which unit is μF more than 0.01μF and PF less than 0.01μF) in addition to the head number.

Parts No.	Parts Name	Symbol	Description
Resistors			
Q03862-1	Variable Resistor	R29, S9, 10	
Q04834-2	〃 〃	R28	
Q04850-1	〃 〃	R102	
Q04845-1	〃 〃	R203	
Q04802-	Carbon Resistor	R1～16,31～40,101～110,201,202,204～210	±10% ⅛W
※Q04793-	〃 〃	R17, 30, 41, 46, 211, 212, 213, 214	±10% ⅛W
※Q04092-	Composition Resistor	R44, 45	±10% 1W
Q04802-4. 7	Carbon Resistor	R43	±10% ¼W

Note : When you request the resistors marked with ※, inscribe resistance value in addition to the head number.

Parts No.	Parts Name	Symbol	Description
Coils & Transformers			
V03066-5	Antenna Coil (FM)	L101	
V03047-14	Antenna Coil (Trap)	L224, 225, 226, 227	
V03041-10	RF Coil (FM)	L102	
V03041-20	Oscillator Coil (FM)	L103	
03226-1	IF Trap Coil	L104	
V02001-68	Bar Antenna Ass'y	L201, 202	
03205-7	Antenna Coil (SW1)	L203	
03205-8	〃 〃 (SW2)	L204	
03205-9	〃 〃 (SW3)	L205	
03205-10	〃 〃 (SW4)	L206	
03205-11	〃 〃 (SW5)	L207	
03205-12	〃 〃 (SW6)	L208	
03184-19	Oscillator Coil (LW)	L209	
03184-20	〃 〃 (MW)	L210	
03184-21	〃 〃 (SW1)	L211	
03184-28	〃 〃 (SW2)	L212	
03184-28	〃 〃 (SW3)	L213	
03184-29	〃 〃 (SW4)	L214	
03184-25	〃 〃 (SW5)	L215	
03184-30	〃 〃 (SW6)	L216	
03185-6	RF Coil (MW)	L217	
03185-7	〃 〃 (SW1)	L218	
03185-8	〃 〃 (SW2)	L219	
03185-9	〃 〃 (SW3)	L220	
03185-10	〃 〃 (SW4)	L221	
03185-11	〃 〃 (SW5)	L222	
03185-12	〃 〃 (SW6)	L223	
03130-33	I. F. T. (FM 1st)	L105	
03130-34	〃 〃	L106, C119	
03130-35	〃 (FM 2nd & 3rd)	L1, 4, C4, 13	
03130-41	〃 (FM Det.)	L3	
03130-42	〃 〃	L4, C29	
03064-48	〃 (AM 1st)	L5	
03064-46	〃 〃	L6, C8	
03064-47	〃 (AM 2nd)	L7, C15	

Parts No.	Parts Name	Symbol	Description
03064-46	I. F. T.	L8, C18	
03064-49	〃 (AM, 3rd)	L8, C28	
03079-8	Input Transformer	T1	
03096-22	Output Transformer	T2	
03218-16	Power Transformer	T3	
Speaker			
SK-2055B	4″×6″ Speaker		
Jack & Plug			
Q03948-1	Earphone Jack Ass'y	J3, 4	
41537-E	Jack Ass'y	J2	
53689-3	Antenna Jack	J1	
Switches			
Q03746-2	Slide Switch	S8	
V20280-B	Rotary Switch Ass'y	S1~7	
Dial Parts			
V41040-B	Needle Ass'y (Band)		
V41041-B	〃 〃 (Tuning)		
Q03989-A	Dial Drum Ass'y (Band)		
V40030-A	〃 〃 〃 (Tuning)		
V03020-3	Tuning Indicator		
Q04967-2	Pilot Lamp		
Q30110-A	P. Lamp Socket Ass'y		
Others			
V40354-A	Rod Antenna		
47380-C	Antenna Tip		
A03004-H	Power Cord with Plug		

(**Note** : As to cabinet parts, refer to the picture in front page.)

Requirement to Customers

◎ **For the purpose of prompt supply of service parts, inscribe parts number, parts name, and model name correctly when you order.**

◎ **If possible please give an order for spare cabinet in early opportunity since it is very difficult to remanufacture cabinet case after production of the set was discontinued.**

The List of NIVICO Service Manual

(Phonograph)

No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model
2001	STL-37	2011	STL-39	2021	STP-100	2031	N400(S)	2041	N511	2051	N61	2061	TPE-8	2071	AA-2E AA-500
2002	STP-4	2012	STL-13	2022	STP-200	2032	N350	2042	STP-6	2052	ARC-10F	2062	N240	2072	AST-220E
2003	2020N	2013	STL-33	2023	STP-3	2033	N600	2043	TPE-20	2053	ARC-11A, 12A	2063	N65	2073	TRE-12S
2004	ARC-2B	2014	STL-34	2024	TPE-10	2034	N800	2044	STP-5	2054	N21, N31	2064	STP-5T	2074(B)	SRP-471E & (R #-2)
2005	646N	2015	SRE-30	2025	TRE-45	2035	NP-6	2045	4TR-4	2055	N460C	2065	N466C	2075	FRS-103E
2006	N550	2016	SRP-105etc.	2026	N300	2036	TRE-6	2046	N191	2056	N661	2066	N880	2076	N455, N590
2007	1025N	2017	STL-14	2027	N310	2037	J-141W	2047	STP-7	2057	N55	2067	N170	2077	N177, 178, 185
2008	4TR-31N	2018	STL-65	2028	N120S	2038	N-11	2048	N231S	2058	4TR-4U	2068	N45	2078	N440
2009	N225S	2019	TRE-5	2029	ASP-850A	2039	N510, 512	2049	N130SE	2059	TRE-8N	2069	N710	2079	4TR-55U
2010	ARC-1B	2020	SRE-221	2030	ASP-820A	2040	N40, 41	2050	TPE-21	2060	N-51	2070	N41SR	2080	AST-320E

No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model
2081	4TR-3U	2091	ARC-30A, 30B	2101	N760MG, N99U	2111(B)	STC-707C(R#2)	2121	5007	2131	STP-808A	2141	5320, 5340
2082	N-55T	2092	4TR-55T	2102	SRP-472E	2112	SST-61	2122	L-21M	2132	ARC-41, -42	2142	L311D
2083	SRE-103E	2093	N670, N770 4TR-99u, etc.	2103	SRP-469E	2113	FRS-103EH.V (R#-2)	2123	ARC-10 Series	2133	TRE-666C	2143	6102, 6103, 6104
2084	N590F, 4TR-590F	2094	STP-7LA	2104	ARC-10L	2114	STP-808C	2124	5003	2134	4TR-990	2144	ARC-10Y
2085	ARC-40A	2095	TRE-26C	2105	BLA-204, 208 BLA-304, 30E	2115	SSL-95E	2125	L-311C	2135	5001	2145	5011/PST-1000E 5012/MST-1000E
2086	TRE-12F	2096	STP-7F	2106	AST-140E	2116	MSL-16T	2126	5204	2136	SRP-B30E/5230	2146	5201
2087	SRP-467E	2097	N880 (R#-2)	2107	ARC-12C,E	2117	AST-215E	2127	4210, 4220, 4230 & (R#-2)	2137	N-65F	2147	
2088	SRP-468E	2098	N163	2108	CSL-1E	2118	SRC-700U	2128	5305	2138	4TR-511D, L511D	2148	
2089	ECA-101E	2099	4TR-6U	2109	MSL-8E	2119	AST-102E	2129	TRE-12T	2139(B)	SRP-B40E/5240	2149	
2090	STC-19	2100	MSL-15E	2110	SST-31	2120	No. 200E Series	2130	5304	2140	5203	2150	

The List of NIVICO Service Manual

(Radio)

No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model
1001	8H-4	1011	8H-5	1021	10TA-1	1031	8TA-10E	1041	11F-5	1051	11F-9
1002	8H-3	1012	9TA-1	1022	10A-5	1032	7A-7L	1042	7H-4M	1052	8A-228
1003	8TA-6E	1013	6B-1	1023	8A-2	1033	8TA-6R	1043	6A-210	1053	6H-222(P)
1004	11A-7	1014	6TB-3	1024	9TH-2	1034	11F-3	1044	8H-302	1054	9H-701
1005	6H-3	1015	7TB-1	1025	6H-201	1035	6H-102	1045	6A-107	1055	TCR-325
1006	7TH-1	1016	7TA-6	1026	6H-101	1036	5A-28E	1046	9F-3	1056	6H-109S
1007	7TH-4	1017	7TH-2	1027	8A-9	1037	9A-4L	1047	6H-112	1057	6H-109B
1008	10A-3	1018	8B-1	1028	8TA-6L	1038	9H-304	1048	6H-114	1058	M•3E
1009	6TB-4	1019	8TH-500	1029	8H-4B	1039	8H-303	1049	FA-6000	1059	7H-120(M)
1010	6H-4	1020	5A-23	1030	9TA-3R(S)	1040	9A-301	1050	6H-109	1060	9F-218

No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model
1061	9F-216	1071	TCR-555	1081	6H-156	1091	RS-1400	1101	8A-137	1111	TP-5(A)
1062	6H-112C	1072	RS-1100	1082	6H-324	1092	TP-4A	1102	9F-313(A),(R)	1112	10H-407
1063	7H-236	1073	10A-323	1083	7H-129M	1093	FA-6000T	1103	12F-250	1113	5H-258E
1064	7H-237	1074	9F-220	1084	8H-333	1094	8H-350	1104	6H-138	1114	8H-407A
1065	M•XE	1075	10H-406	1085	TH-2770SZ	1095	10A-327,337	1105	8A-252E	1115	RS-2100A
1066	8H-238	1076	8H-407	1086	11F-314S	1096	RS-2100(T)	1106	12F-343(L)	1116	10F-407
1067	6H-130	1077	7H-324	1087	6H-257	1097	M•SSE	1107	RS-2000(T)	1117	8A-265
1968	6H-119	1078	F-215T	1088	8A-334	1098	8H-360	1108	6H-258	1118	TCR-575S
1069	6H-124	1079	7H-250	1089	6H-142	1099	AA-6E, U	1109	RS-1400S	1119(B)	8A-353A (LR)
1070	11F-314, (A),(R)	1080	6H-131	1090	6H-141	1100	7A-146E	1110	8A-251	1120	HE-412

No.	Model	No.	Model	No.	Model	No.	Model	No.	Model	No.	Model
1121	FA-900N	1131	RS-2000A	1141	6H-110NK	1151	9200/ RS-2500(E)	1161	8202	1171	
1122	RS-2100LA	1132	12F-335E, R	1142	RS-2600 RS-2600(E)	1152	9300	1162	8A-260L	1172	
1123	8H-345	1133	TCR-101	1143	RB-10A, E etc.	1153	8500	1163	RC-200W	1173	
1124	8H-300	1134	TRH-400	1144	8200	1154	RC-200H	1164	F-750W	1174	
1125	6H-145(B)	1135	10F-353L	1145	9100/ RS-1500E	1155	RC-200E	1165	RC-200(H) R#-2	1175	
1126	10H-410	1136(B)	STF-200E STF-200EM	1146	8A-260E	1156(B)	A-750L(W)	1166	F-720E	1176	
1127	AA-6E,U,C	1137	8800	1147	9101, 9102 TP-500E	1157	8900	1167		1177	
1128	A730S, B	1138(B)	9800/ STF-600	1148	9400	1158	8802	1168		1178	
1129	8H-407R	1139	RC-200	1149	10A-337K	1159	10F-407R	1169		1179	
1130	8A-150E	1140(B)	F-750E (8201)	1150	6H-259	1160	6H-138D	1170		1180	

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